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ABSTRACT

METHOD FOR OPTICALLY PUMPING A LIGHT-AMPLIFYING MEDIUM  
AND OPTICAL PUMPING MODULE FOR IMPLEMENTING THIS  
METHOD.

According to the invention, at least one light source (40) is used for pumping the amplifying medium (24) and this medium is encircled by a reflector (20) the wall of which (22) diffusely reflects this light, 5 the beam (18) directly stemming from the source is sent towards the wall so that it undergoes diffusive reflections and the amplifying medium is placed out of this beam so that it may be pumped by the sole light diffused by the wall. The invention is applied to 10 cutting, welding lasers and those for treating the surface of materials.

Fig. 5